



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/835,992

Source: O/PE

Date Processed by STIC: 5/2/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**  
**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001  
TIME: 12:34:48

Input Set : A:\es.txt  
Output Set: N:\CRF3\05022001\I835992.raw

pp 1-3  
Does Not Comply  
Corrected Diskette Needed

2 <110> APPLICANT: Obata, Yuichi  
4 <120> TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ASSOCIATED WITH GASTRIC  
CANCER AND  
5 METHODS FOR DIAGNOSING AND TREATING GASTRIC CANCER  
7 <130> FILE REFERENCE: L0461/7112  
8 <140> CURRENT APPLICATION NUMBER: US/09/835,992  
8 <141> CURRENT FILING DATE: 2001-04-17  
8 <150> PRIOR APPLICATION NUMBER: US 08/896,164  
9 <151> PRIOR FILING DATE: 1997-07-17  
11 <160> NUMBER OF SEQ ID NOS: 87  
12 <170> SOFTWARE: PatentIn version 3.0

## ERRORED SEQUENCES

5583 <210> SEQ ID NO: 42  
5584 <211> LENGTH: 677(p.2) ↴  
5585 <212> TYPE: DNA  
5586 <213> ORGANISM: Homo sapiens <220>  
5587 <221> NAME/KEY: Unsure  
5588 <222> LOCATION: (460)..(460)  
5589 <223> OTHER INFORMATION: n = a, c, g or t  
5591 <220> FEATURE:  
5592 <221> NAME/KEY: Unsure  
5593 <222> LOCATION: (484)..(484)  
5594 <223> OTHER INFORMATION: n = a, c, g or t  
5596 <220> FEATURE:  
5597 <221> NAME/KEY: Unsure  
5598 <222> LOCATION: (574)..(574)  
5599 <223> OTHER INFORMATION: n = a, c, g or t  
5601 <220> FEATURE:  
5602 <221> NAME/KEY: Unsure  
5603 <222> LOCATION: (590)..(590)  
5604 <223> OTHER INFORMATION: n = a, c, g or t  
5606 <220> FEATURE:  
5607 <221> NAME/KEY: Unsure  
5608 <222> LOCATION: (623)..(623)  
5609 <223> OTHER INFORMATION: n = a, c, g or t  
5611 <220> FEATURE:  
5612 <221> NAME/KEY: Unsure  
5613 <222> LOCATION: (627)..(627)  
5614 <223> OTHER INFORMATION: n = a, c, g or t  
5616 <220> FEATURE:  
5617 <221> NAME/KEY: Unsure  
5618 <222> LOCATION: (643)..(643)  
5619 <223> OTHER INFORMATION: n = a, c, g or t  
5621 <400> SEQUENCE: 42  
5622 aagatcagcg atatcacgca tccccccggag catcgctgc aggagccatg gcgcgaggac 60

insert a hard return after each response-

This is  
a global error;  
please correct  
all sequences  
showing this  
error

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001  
TIME: 12:34:49

Input Set : A:\es.txt  
Output Set: N:\CRF3\05022001\I835992.raw

5623 tataccacga agagttcgcc cgggcgggca agcaggcggg gctgcaggc tggaggattg 120  
 5624 agaagctgga gctggtgcggc gtgcggccaga gcgcgtcacgg cgacttctac gtcggggatg 180  
 5625 cctacctgggt gctgcacacg gccaaagacga gccgaggctt cacctaccac ctgcacttct 240  
 5626 ggctcgaaaa ggagtgttcc cagatgaaa gcacagctgc tgccatcttc actgttcaga 300  
 5627 tggatgacta ttgggtggc aagccagtgc agaatagaga acttcaagga tatgagtcta 360  
 5628 atgactttgt tagctatttc aaaggcggtc taaaataca, ggctggaggc gtggcatctg 420  
 W--> 5629 gattaaatca tgttcttacg aacgacctga cagccaagan gctcctacat gtgaagggtc 480  
 W--> 5630 gtanagtgg gagagccaca gaattcccct tagctggac agtttcaaca, agggtgactg 540  
 W--> 5631 cttcatcatt gaccttgca ccgaaattta tcanttttg tggttcctcn tgcaacaat 600  
 W--> 5632 atgaacgtct gaaggcaaac cangtancta ctggcattcg gtncaatgaa aggaaaggaa 660  
 E--> 5633 ggctgaact aattgtc 677<  
 6689 <210> SEQ ID NO: 58  
 6690 <211> LENGTH: 571 751 shown (p.3) *insert a hard return*  
 6691 <212> TYPE: DNA  
 6692 <213> ORGANISM: Homo sapiens <220>  
 6693 <221> NAME/KEY: Unsure  
 6694 <222> LOCATION: (364)..(364) /  
 6695 <223> OTHER INFORMATION: n = a, c, g or t  
 6697 <220> FEATURE:  
 6698 <221> NAME/KEY: Unsure /  
 6699 <222> LOCATION: (468)..(468)  
 6700 <223> OTHER INFORMATION: n = a, c, g or t  
 6702 <220> FEATURE:  
 6703 <221> NAME/KEY: Unsure /  
 6704 <222> LOCATION: (516)..(516)  
 6705 <223> OTHER INFORMATION: n = a, c, g or t  
 6707 <220> FEATURE:  
 6708 <221> NAME/KEY: Unsure /  
 6709 <222> LOCATION: (532)..(532)  
 6710 <223> OTHER INFORMATION: n = a, c, g or t  
 6712 <220> FEATURE:  
 6713 <221> NAME/KEY: Unsure /  
 6714 <222> LOCATION: (574)..(574)  
 6715 <223> OTHER INFORMATION: n = a, c, g or t  
 6717 <220> FEATURE:  
 6718 <221> NAME/KEY: Unsure /  
 6719 <222> LOCATION: (597)..(597)  
 6720 <223> OTHER INFORMATION: n = a, c, g or t  
 6722 <220> FEATURE:  
 6723 <221> NAME/KEY: Unsure /  
 6724 <222> LOCATION: (662)..(662)  
 6725 <223> OTHER INFORMATION: n = a, c, g or t  
 6727 <220> FEATURE:  
 6728 <221> NAME/KEY: Unsure /  
 6729 <222> LOCATION: (669)..(670)  
 6730 <223> OTHER INFORMATION: n = a, c, g or t  
 6732 <220> FEATURE:  
 6733 <221> NAME/KEY: Unsure  
 6734 <222> LOCATION: (707)..(707)

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001  
TIME: 12:34:49

Input Set : A:\es.txt  
Output Set: N:\CRF3\05022001\I835992.raw

6735 <223> OTHER INFORMATION: n = a, c, g or t  
6737 <220> FEATURE:  
6738 <221> NAME/KEY: Unsure  
6739 <222> LOCATION: (733)..(733)  
6740 <223> OTHER INFORMATION: n = a, c, g or t  
6742 <220> FEATURE:  
6743 <221> NAME/KEY: Unsure  
6744 <222> LOCATION: (740)..(740)  
6745 <223> OTHER INFORMATION: n = a, c, g or t  
6747 <400> SEQUENCE: 58  
6748 agactttcct acatcagttt tatttaaaac acaaacaagt atttctcttt ctgtaagggc 60  
6749 aaatggttca aataatgcgg aacacgaaac attgactaat acaagtgctt taaatatgaa 120  
6750 acaaaaattat tttttaaaaa agcaaaaagaa taaagaatat atacaaaagg gacctggaat 180  
6751 ctgtaaggtg attccaaaaa cgaardatagt agaaaatcca tggtgaaacc tgaacattct 240  
6752 acctctgctt tggagaaggg ctatcataca acattcagtc agctgaagat ggattggtag 300  
6753 aggtgtgtct atacataaac ttcatgtcatt tttgcttgtg cagaatcatc ccaatcttcc 360  
W--> 6754 caanactgaa tgggcagtcc tggcgttcc ttccctttcc atattccaa caaggctacg 420  
W--> 6755 tgaagttcaa ctcttgatga gcccgttaca acagcagttc cttaggancc caacatgaca 480  
W--> 6756 gggggtcag attccctat gagaaacaaa actggncacc tacagcaaaa tntcaaaatg 540  
W--> 6757 ggttaagtcc tccttccttc tcctcctgat tatntacaac atatctcctt tcaagantat 600  
6758 tatccatccatc atgcttattc cttcccaat ctaaacccatc aaggtgattt gaaggaaac 660  
W--> 6759 cncatccnn aaaaagaaaa acccattccc aaattgaaaa aaaactnggc agggatataca 720  
E--> 6760 atacaccccc canaaactcn ccaattttcc c 751

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001  
TIME: 12:34:51

Input Set : A:\es.txt  
Output Set: N:\CRF3\05022001\I835992.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No  
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/835,992

DATE: 05/02/2001  
TIME: 12:34:51

Input Set : A:\es.txt  
Output Set: N:\CRF3\05022001\I835992.raw

L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:3489 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:27  
L:5633 M:252 E: No. of Seq. differs, <211>LENGTH:Input:667 Found:677 SEQ:42  
L:5653 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:43  
L:6760 M:252 E: No. of Seq. differs, <211>LENGTH:Input:571 Found:751 SEQ:58  
L:10158 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:86